CROWN Boiler Co.

DESIGNED TO LEAD

# BWC Series

## Concentric Vent Component Descriptions and Dimensional Data

**WARNING:** Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or loss of life. Use this venting only on Crown BWC Series boilers in accordance with the instructions provided with the boiler.

CROWN Boiler Co.

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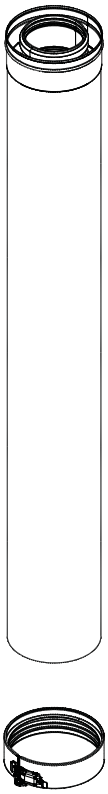
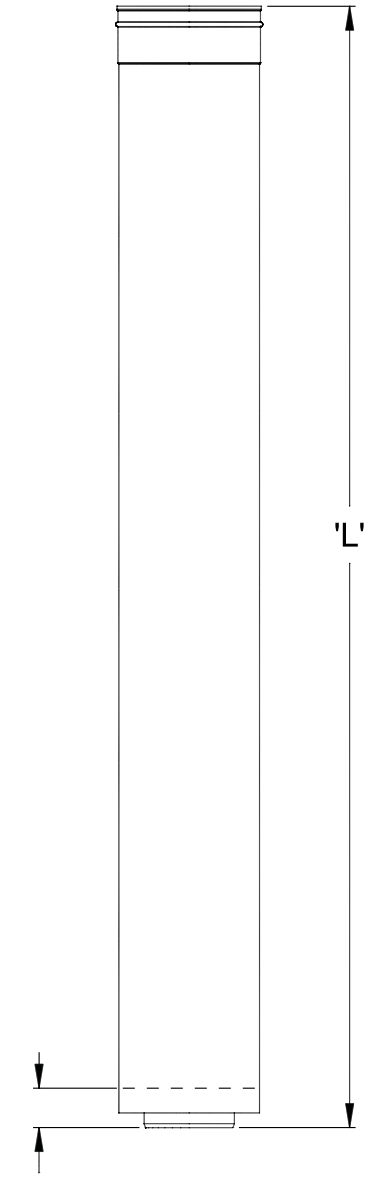
**Important Notes for all Components:**

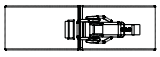
1) "Vent Size" denotes nominal inner and outer pipe diameters in millimeters. For example "80/125" concentric components have an 80mm diameter inner pipe and a 125mm diameter outer pipe.

2) Dimensions shown are rounded as follows:
   a. Overall lengths (Dimensions 'L' ) are rounded to the nearest 1/2"
   b. All other dimensions are rounded to the nearest 1/8"

# Cuttable Straight



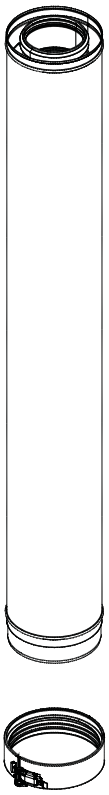


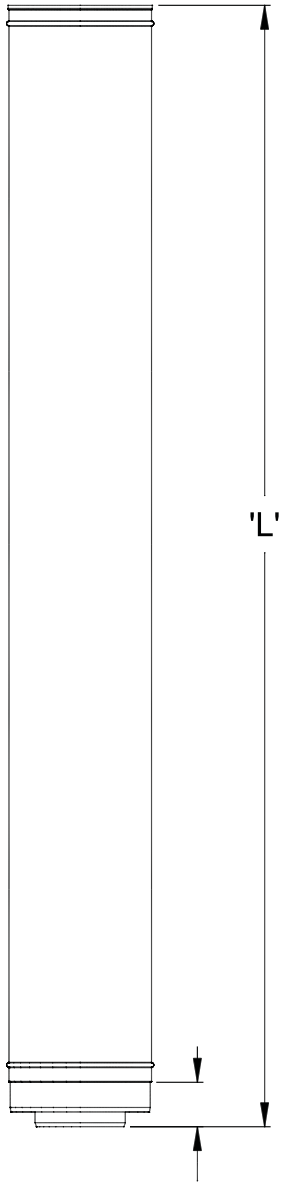



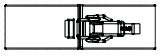
| P/N | Vent Size | 'L' |
|---|---|---|
| 230506 | 60/100 | 19-1/2" |
| 230517 | 80/125 | 19-1/2" |
| 230515 | 80/125 | 39" |
| 230560 | 100/150 | 19-1/2" |
| 230562 | 100/150 | 39" |

Note: Cut from male end only.

# Non-Cuttable Straight

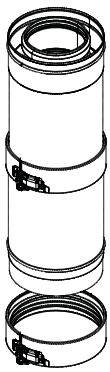


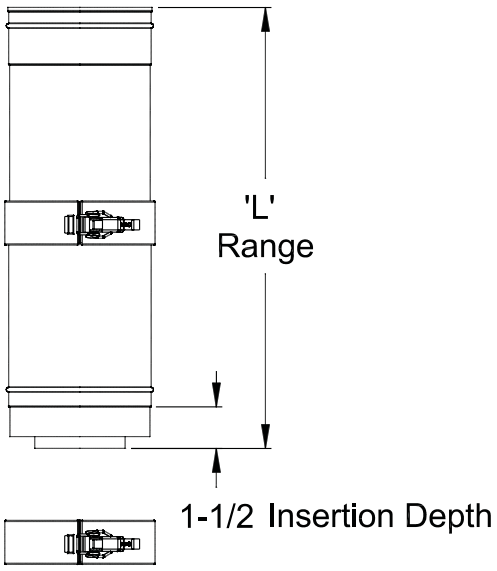


| P/N | Vent Size | 'L' |
|---|---|---|
| 230505 | 60/100 | 39" |
| 230504 | 60/100 | 78" |
| 230518 | 80/125 | 39" |
| 230519 | 80/125 | 78" |
| 230561 | 100/150 | 39" |
| 230563 | 100/150 | 78" |

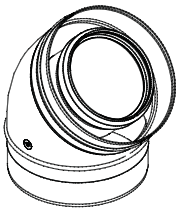
# Telescoping Straight

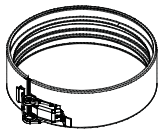


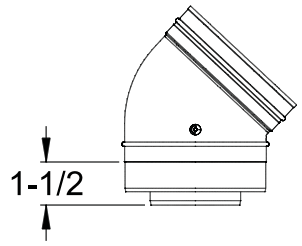



| P/N | Vent Size | 'L' Range |
|---|---|---|
| 230525 | 80/125 | 12-1/2" to 16-1/2" |
| 230564 | 100/150 | 12-1/2" to 17-1/2" |

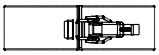
## 45° Elbow





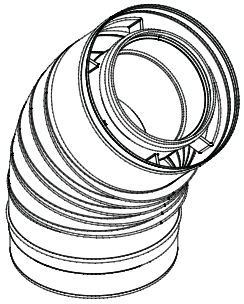


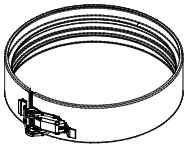

Insertion Depth

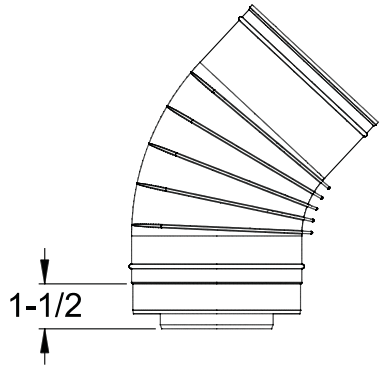


| P/N | Vent Size | Equivalent Length (ft.) |
|---|---|---|
| 230508 | 60/100 | 4.0 |
| 230526 | 80/125 | 3.0 |

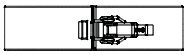
## 45° Elbow





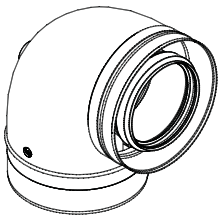


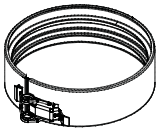

Insertion Depth

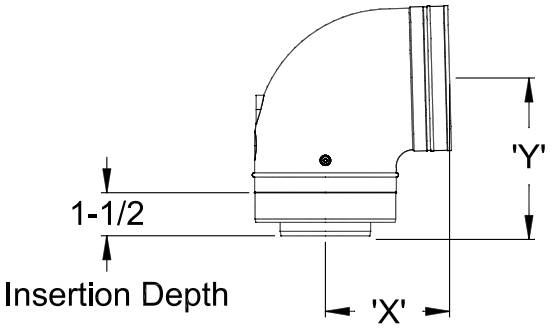


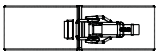
| P/N | Vent Size | Equivalent Length (ft.) |
|---|---|---|
| 230565 | 100/150 | 3.0 |

# 90° Standard Elbow







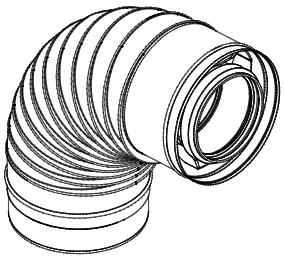



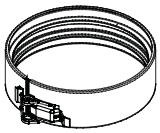
| P/N | Vent Size | 'X' | 'Y' | Equivalent Length (ft.) |
|---|---|---|---|---|
| 230507 | 60/100 | 4" | 4-3/4" | 4.5 |
| 230527 | 80/125 | 4-3/8" | 5-3/8" | 8.5 |
| 230566* | 100/150 | 4-1/2" | 5-1/2" | 10.0 |

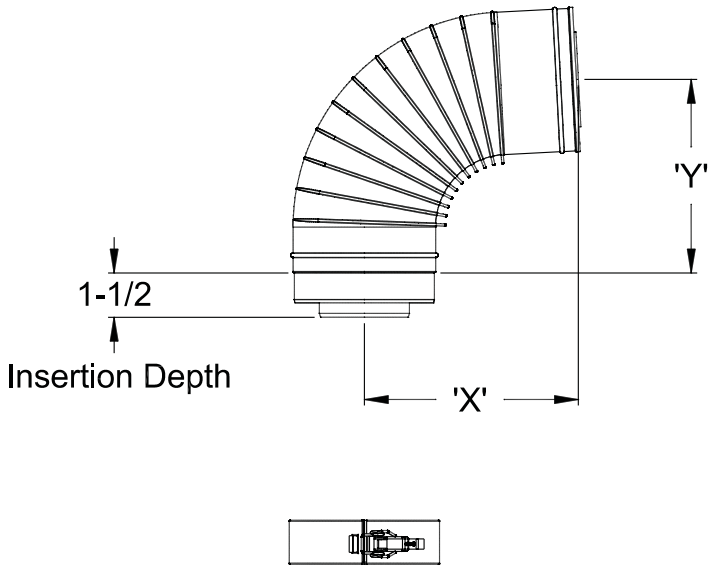
* Non-Stock Item

Note: Use of 230566 should be avoided due to high equivalent length. Use 100/150mm Sweep Elbow (230567) instead.

# 90° Sweep Elbow



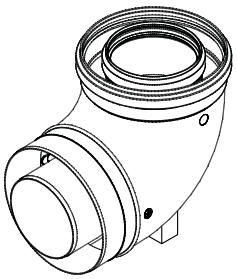


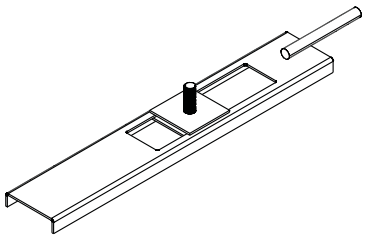


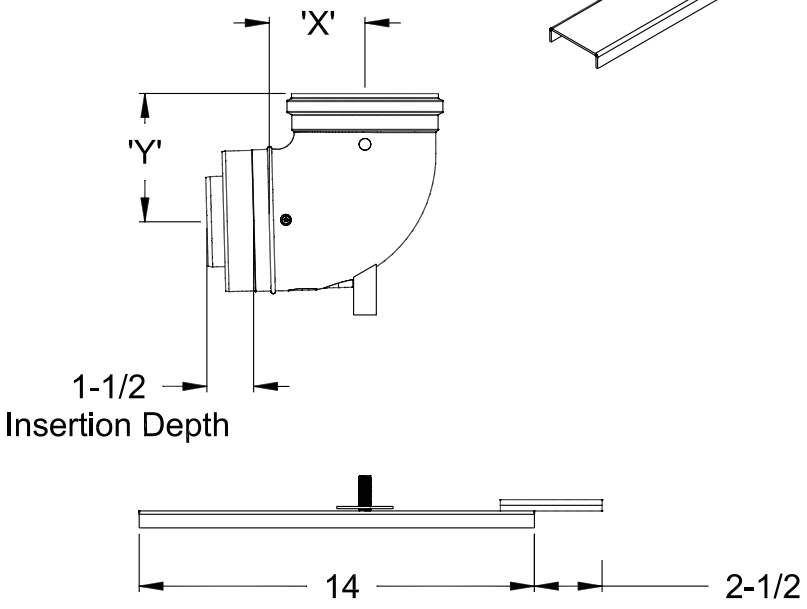



| P/N | Vent Size | 'X' | 'Y' | Equivalent Length (ft.) |
|---|---|---|---|---|
| 230528 | 80/125 | 7-3/8" | 6-1/4" | 5.5 |
| 230567 | 100/150 | 8-1/4" | 7" | 8.0 |

# 90° Support Elbow with Chimney Chase Bracket

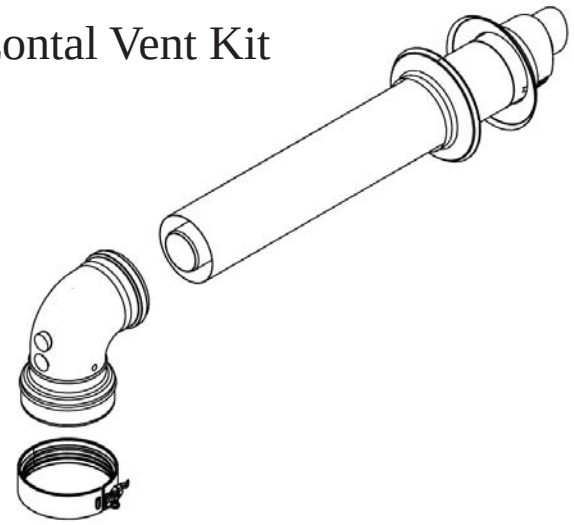


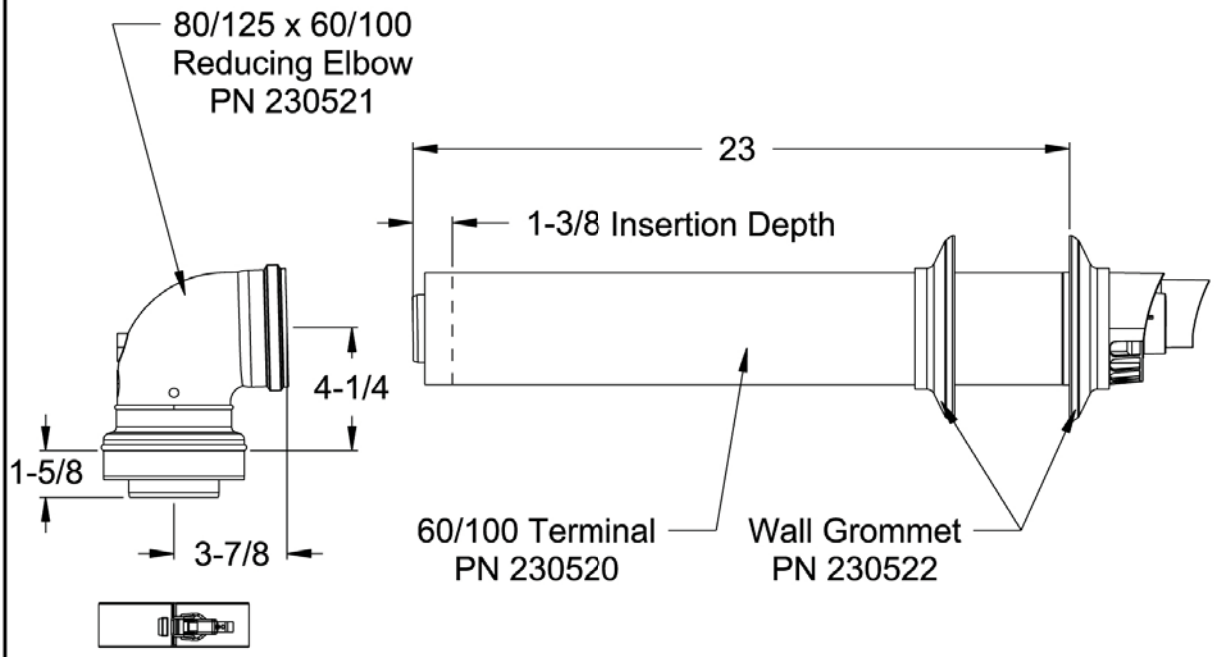





| P/N | Vent Size | 'X' | 'Y' | Equivalent Length (ft.) |
|---|---|---|---|---|
| 230530 | 80/125 | 7-3/8" | 6-1/4" | 8.5 |
| 230568 | 100/150 | 8-1/4" | 7" | 10.0 |

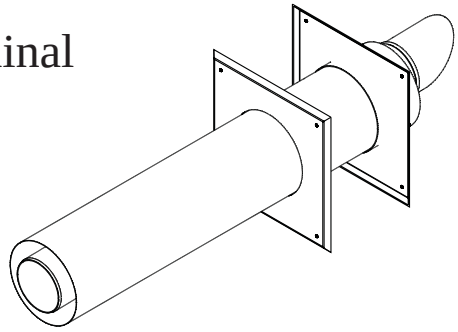
# 60/100 Horizontal Vent Kit

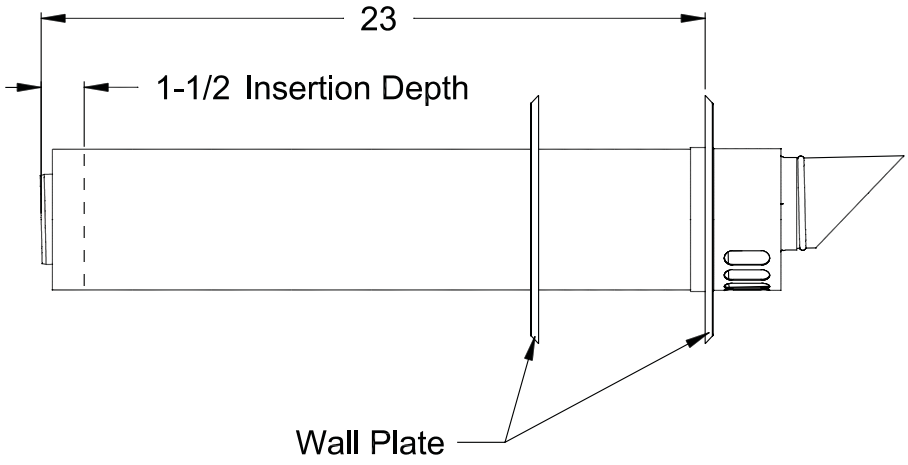





| P/N | Vent Size |
|---|---|
| 230500 | 60/100 |

# Horizontal Terminal

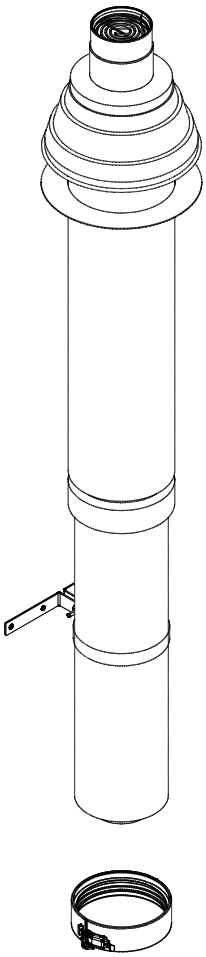


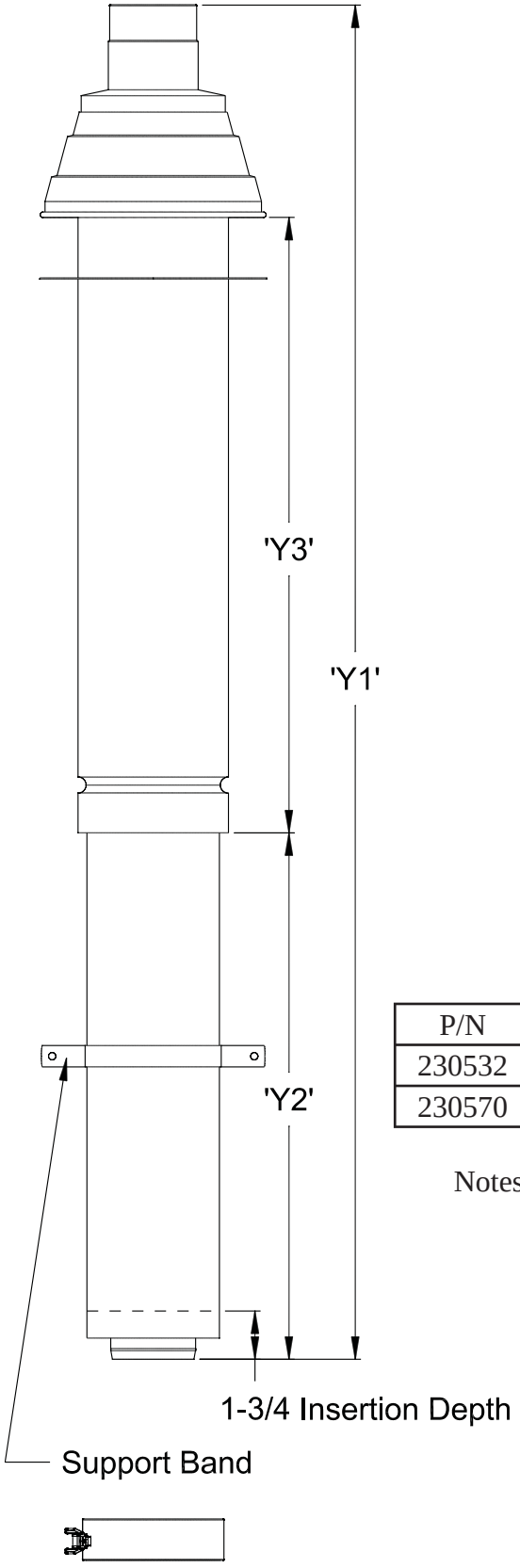



| P/N | Vent Size |
|---|---|
| 230531 | 80/125 |
| 230569 | 100/150 |

Note: Inner pipe is aluminum.

# Vertical Terminal

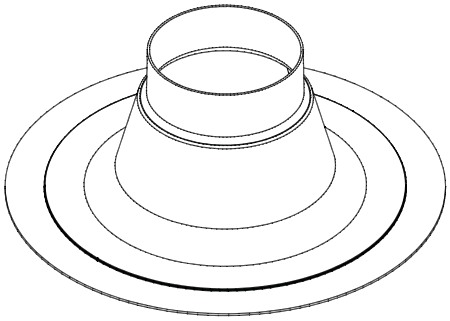


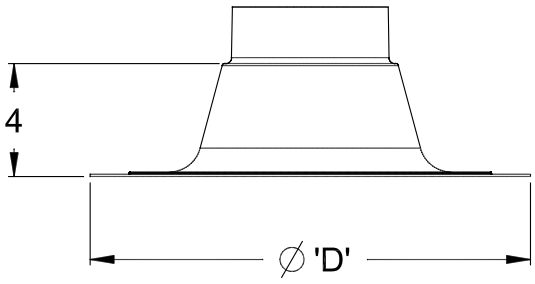



| P/N | Vent Size | 'Y1' | 'Y2' | 'Y3' |
|---|---|---|---|---|
| 230532 | 80/125 | 50" | 19-1/2" | 23" |
| 230570 | 100/150 | 61" | 28" | 23" |

Notes: 1. Requires flat or sloped roof flashing shown on following pages.
2. Inner pipe is aluminum.

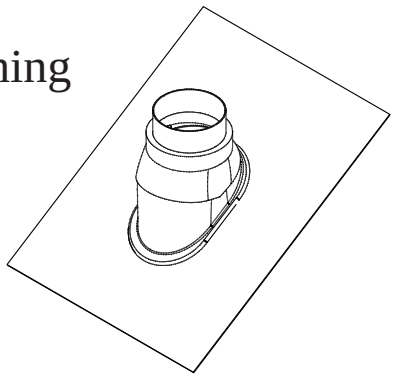
# Flat Roof Flashing

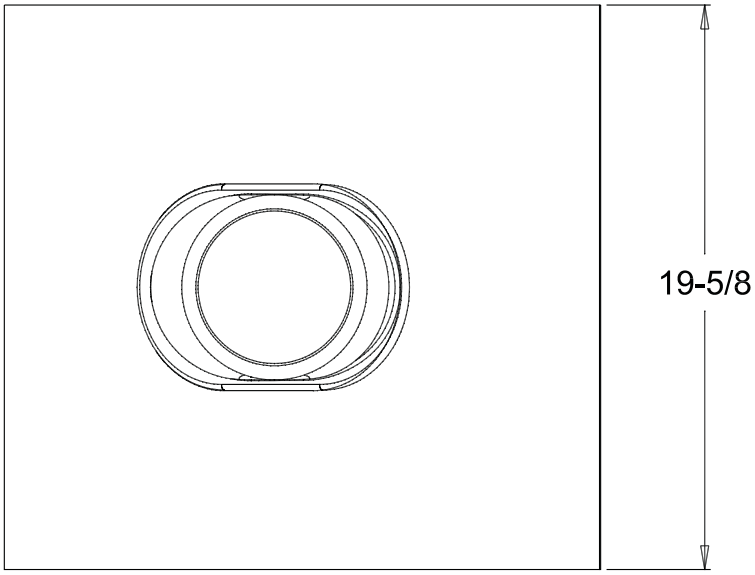


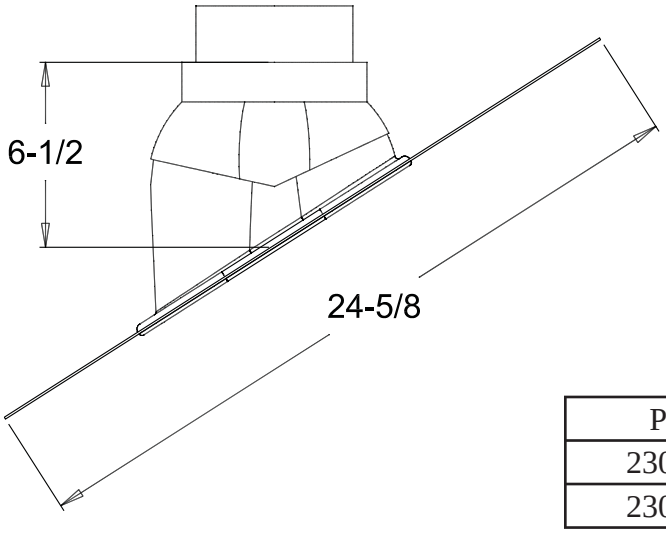



| P/N | Vent Size | ‘D’ |
|---|---|---|
| 230533 | 80/125 | 15-3/8” |
| 230571 | 100/150 | 17” |

# 25°-45° Sloped Roof Flashing

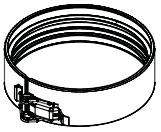


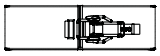



| P/N | Vent Size |
|---|---|
| 230535 | 80/125 |
| 230572 | 100/150 |

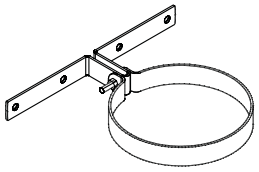
# Locking Band

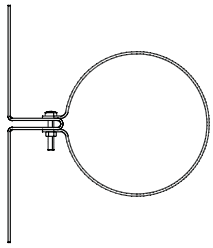




| P/N | Vent Size |
|---|---|
| 230538 | 60/100 |
| 230537 | 80/125 |
| 230574 | 100/150 |

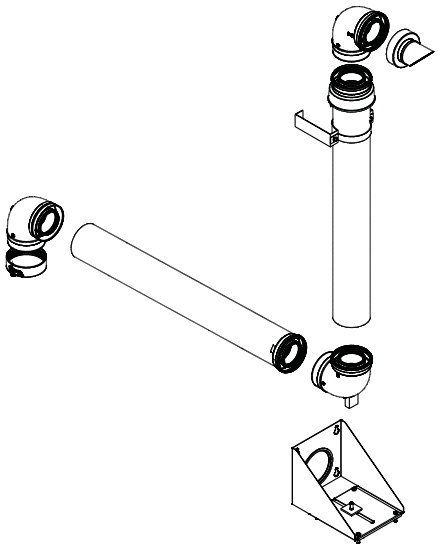
# Support Band

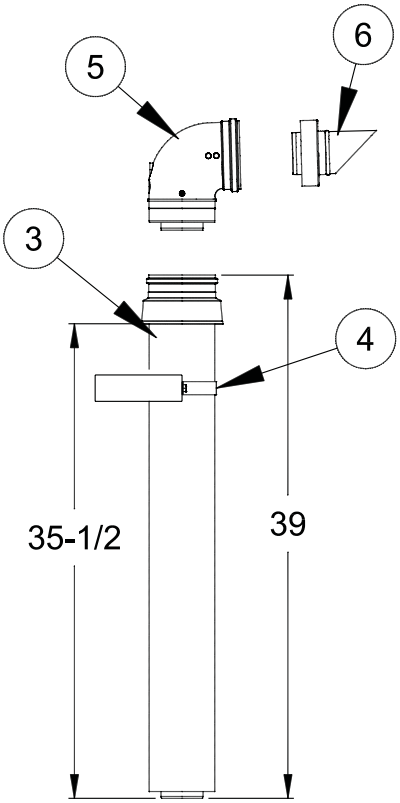




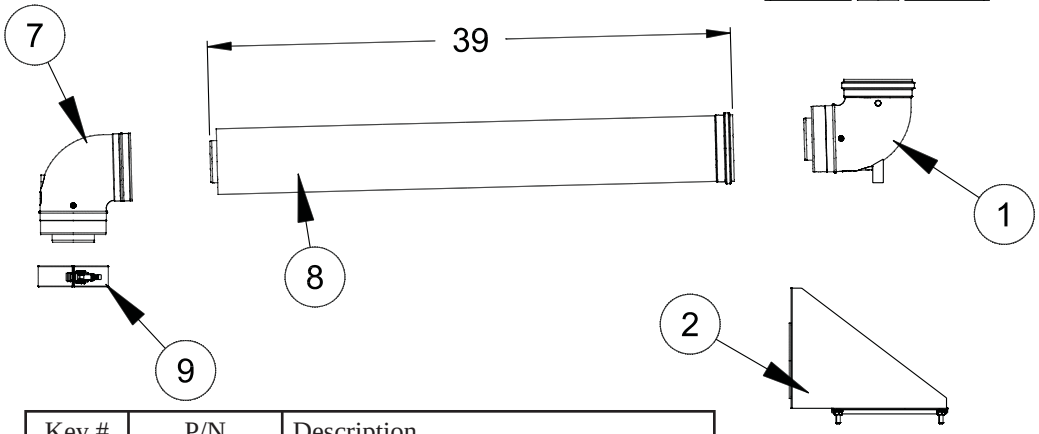
| P/N | Vent Size |
|---|---|
| 230536 | 80/125 |
| 230573 | 100/150 |

# 80/125 Snorkel Kit





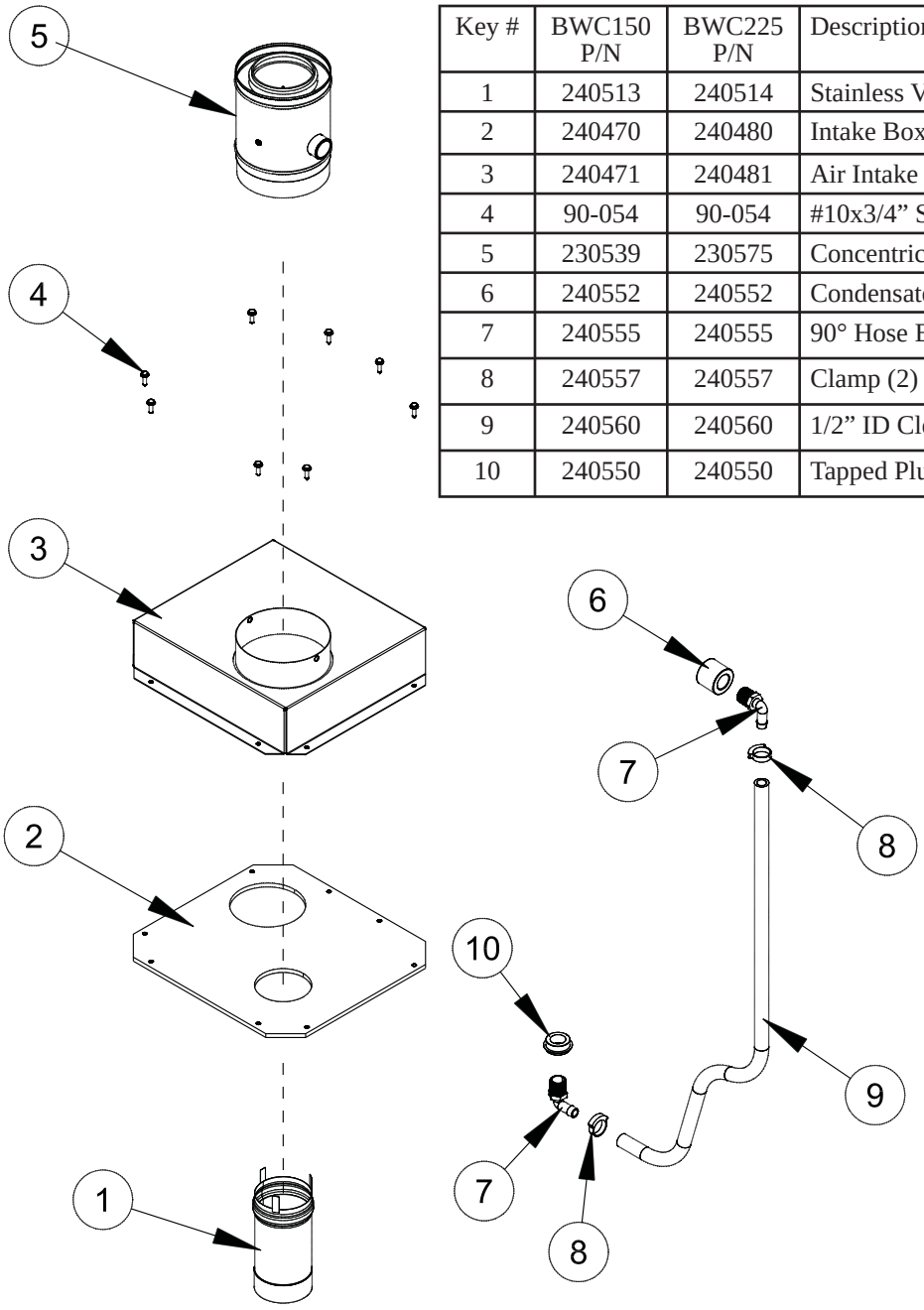

| P/N | Description |
|---|---|
| 230540 | 80/125 Snorkel Kit |




| Key # | P/N | Description |
|---|---|---|
| 1 | 230541 | Support Elbow |
| 2 | 230542 | Lower Wall Bracket |
| 3 | 230543 | Air Intake Section |
| 4 | 230544 | Wall Bracket |
| 5 | 230545 | Terminal Elbow |
| 6 | 230546 | Exhaust Terminal |
| 7 | 230527 | Standard Elbow |
| 8 | 230547 | Wall Penetration Section |
| 9 | 230537 | Locking Band |
| * | 230548 | Outer Joint Gasket (2 provided) |

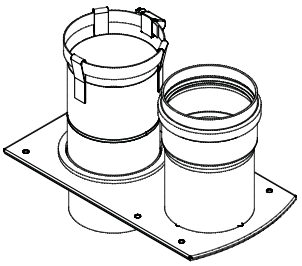
# Concentric Vent Adapter Kit
# (BWC150/225 Boilers)

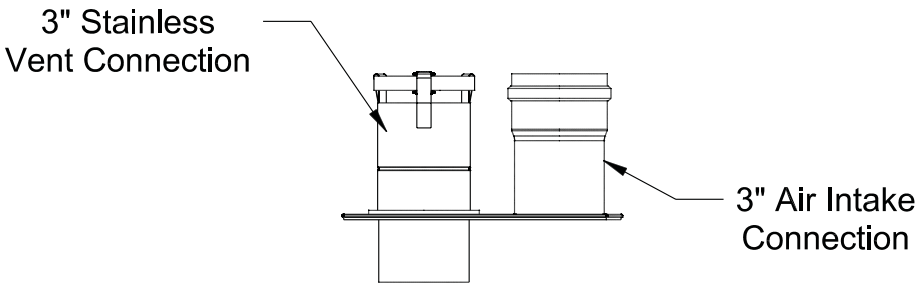
| P/N | Concentric Vent Adapter Kit | Vent Size |
|---|---|---|
| 230550 | BWC150 | 80/125 |
| 230555 | BWC225 | 100/150 |




| Key # | BWC150 P/N | BWC225 P/N | Description |
|---|---|---|---|
| 1 | 240513 | 240514 | Stainless Vent Adapter |
| 2 | 240470 | 240480 | Intake Box Gasket |
| 3 | 240471 | 240481 | Air Intake Box |
| 4 | 90-054 | 90-054 | #10x3/4” Sheet Metal Screw |
| 5 | 230539 | 230575 | Concentric Condensate Collector |
| 6 | 240552 | 240552 | Condensate Collector Adapter |
| 7 | 240555 | 240555 | 90° Hose Barb (2) |
| 8 | 240557 | 240557 | Clamp (2) |
| 9 | 240560 | 240560 | 1/2” ID Clear Poly Tubing |
| 10 | 240550 | 240550 | Tapped Plug |

# Stainless Steel Vent Collar Kit (BWC070, 090 & 120)






| P/N | Description |
|---|---|
| 230510 | Stainless Steel Vent Collar Kit |

Note: Used on BWC070-120 in place of concentric collar provided on boiler (see manual).

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